

**Amendment Number 0001**

**Broad Agency Announcement (BAA) Number: ONRBAA15-0005**

**Solid State High Power Laser Weapon System Demonstrator (LWSD) Design,  
Development and Demonstration for Surface Navy, USN**

The purpose of this amendment is to (1) delete the paragraph entitled “Leveraging Government Facilities and Subject Matter Experts (SMEs)” in its entirety and (2) to provide answers to questions submitted in response to the BAA.

Under Section F. Research Opportunity Description, the section entitled “Leveraging Government Facilities and Subject Matter Experts (SMEs),” which encompasses only the two paragraphs immediately below the title, is deleted in its entirety.

There have been a number of questions related to proposal format and page count. The five (5) Proposal Package documents listed on page 22 of the BAA need to be updated to be consistent with current ONR contract award website requirements (<http://www.onr.navy.mil/Contracts-Grants/submit-proposal/contracts-proposal/cost-proposal.aspx>). Additional guidance will be provided in a future amendment, anticipated to be released on or about January 5, 2015.

The following answers are provided in response to the questions submitted in response to the BAA:

Question #1: Reference IV.A, Page 20 and IV.B.a.i, Pages 22 & 24: Request the Government clarify the page limitation, if any, for the ‘Technical Proposal Template (pdf)’ and ‘Technical Content (word)’ documents. In addition, please clarify if the SOW and past performance are included in the page count limitation? It is assumed that the 75 page limit referenced on page 24 applies only to attachments with the exclusions as mentioned in the fourth bullet.

Answer#1: The government reaffirms the page limitation of 75 pages for the ‘Technical Proposal Template (Word)’. Specific format requirements for those pages are also provided on Page 24. The cost information (spreadsheets and supporting documentation) does not have a page count restriction associated with the Technical Proposal Template of the proposal. The Statements of Work (SOW) and resumes will not be considered in the 75 page limitation for Technical Proposal Template.

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Question #2: Reference IV.B, page 22: Please confirm that cost information (spreadsheets and supporting documentation) does not have a page count restriction. If cost information has a page limitation, please provide the number of pages permitted under this BAA.

Answer #2: The government reaffirms that cost information (spreadsheets and supporting documentation) is separate from the Technical Content portion of the proposal, and does not have a page count restriction.

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Question #3: Reference I.F., page 15: Please advise if contractors must determine placement of GFE within the TLM on the ship as part of the GFE implementation. Specifically, for the optional ESM and Thermal Storage Skid referenced on Page 1 of Appendix A. If contractors are required to accommodate placement of GFE on the ship, please provide dimensions, weight and all other physical characteristics.

Answer #3: Offerors should propose initial placement of the GFE items for Energy Storage Module (ESM) and Thermal Storage Skid on the basis of determining required interface development efforts. Final placement of GFE items for Energy Storage Module (ESM) and Thermal Storage Skid will be determined by the government. The offeror will be required to provide any connection between GFE and their proposed Tactical Core Laser Module (TLM) designs or concepts proposed. The GFE items for Energy Storage Module (ESM) and Thermal Storage Skid are not considered part of the Tactical Core Laser Module (TLM), as is shown in the illustration on Figure 1 on Page 6 of BAA 15-005. Final placement on the test ship of the GFE Energy Storage Module (ESM) and Thermal Storage Skid will be determined as part of the Phase I effort, based on vendor and ship design best practice, and reviewed with government subject matter experts for the test ship. Offerors will be required to coordinate their design and development efforts in phases II and III with ONR program officer, in conjunction with any ship interface requirements, in order to complete required land and at sea testing of the Laser Weapon System Demonstrator (LWSD).

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Question #4: Request the Government provide all GFI identified in Appendix A, pages 2 through 6.

Answer #4:

Individual requests from US-based DoD Contractors for Government Furnished Information (GFI) in Appendix A will be fulfilled as requests are received using the process outlined on pages 33 and 34 of BAA15-0005. Offerors may request the information in an e-mail request, for which the e-mail includes the offeror's Point of Contact, mailing address information, offeror CAGE code (used to verify US-owned DoD Company), and an e-mail address.

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Question #5: There appears to be a typo on page 9, Figure 2. Should Phase III read as Option II versus Option III?

Answer #5: Yes, the caption for Figure 2 on page 9 is incorrect, and it should read “\*Note: Phase I (Base Period), Phase II (Option I) and Phase III (Option II)”.

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Question 6: Reference I.F., page 4: The background references “Significant lessons learned” through the LaWS Ponce deployment. Can the Government provide any “lessons learned” data, so industry can incorporate any necessary requirements?

Answer #6: LaWS PONCE Deployment is on-going and lesson derived thus far from the USS PONCE deployment have been incorporated in GFI references included in Appendix A, which are available to offerors upon request.

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Question #7: Reference I.F., page 9 figure 2, and pages 12 and 19: Is the Government's intent to complete all sea-based testing or only the first sea-based test within 30 months?

Answer #7: The government intends to complete all sea based tests necessary to meet BAA stated program objectives, within the cited 30 months as shown in Figure 2 on page 9.

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Question #8: Reference I.F., page 9 figure 2: Is it acceptable to exceed 30 months for completing the final report? If the technical effort will conclude 30 months after authorization to proceed, contractor will require test results to complete the report.

Answer #8: The government intends to complete efforts necessary to meet BAA stated program objectives within the cited thirty (30) months as shown in Figure 2 on page 9. However, the offeror will be required to deliver the final report three (3) months/ninety (90) days after the final sea based test is accepted by the Program Officer. Total contract period of performance will be 33 months, including 3 months for the final report.

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Question #9: Reference IV.C, page 25: Are contractors permitted to hand-carry the proposal to the Government's office to meet the Full Proposal Due Date?

Answer #9: Complete proposal packages may be hand-carried and addressed in accordance with Reference IV.E, page 26. Offerors should contact the Program Officer to make arrangements in advance for hand-to-hand transfer.

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Question #10: Will the hand delivery of proposals be accepted, and if so, are there specific hand delivery instructions?

Answer #10: See the answer to question #9 above.

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Question #11: Is the address for the hand delivery of proposals the same as the address listed in BAA section IV (B) for the submittal of proposals?

Answer #11: The address and instructions specified in the BAA Section IV (B) regards submission of Classified Material. The mailing address for unclassified proposals is listed in BAA Section IV (E). The physical location for delivery of classified and unclassified materials is the same: Office of Naval Research, 875 North Randolph Street, Arlington, VA 22203-1995. Offerors should contact the Program Officer to make arrangements in advance for hand-to-hand transfer.

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Question #12: On page 15, Under Cost Realism and Total Program Affordability, please provide clarification of your expectations or provide an example for the "basis of estimates (BOEs)" required to substantiate costs down to WBS Level 4.

Answer #12: Basis of Estimate (BOE) provides an explanation and justification of the work estimate. The BOE documents the thought process, approach, and rationale used to arrive at the estimate being proposed. It explains the logic, rationale method, data and calculations used to estimate the resources required to perform the work.

Appendix A, reference 42, "Work Breakdown Structures for Defense Material Items", MIL-STD 881C, dtd 3 Oct 2011 provides further guidance for the development of the Work Breakdown (WBS).

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Question #13: Appendix A Paragraph 3 and 4 list the Weapon Control Station, HPASS, and Power and Cooling as available GFE to the program, when will this GFE become available?

Answer #13: Design information for the Laser Weapon Control Station (LWCS), Hybrid Predictive Avoidance Safety System (HPASS), Power and Cooling GFE systems and other Government Furnished Information (GFI) are provided in the references included in Appendix A.

Navy standard Computer Electronics Module/Computer Display systems (CEM/CDS) for the Laser Weapons Control Station (LWCS) with preliminary software; Hybrid Predictive Avoidance Safety System (HPASS); Power and Cooling GFE will be made available following a successful Preliminary Design Review (PDR). The Cooling Interface Functional Description (IFD) and the Power FD are planned to be available prior to PDR. The Cooling Interface Control Document (ICD) and Power ICD are planned to be available prior to CDR. The Power and Cooling GFE and final LWCS software are planned to be available following a successful Critical Design Review (CDR). Offerors should identify the GFE "need" dates as part of their proposals.

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Question #14: BAA section VI (B)(a)(i) page 24 states there is a 75 Page limit. Is this limit per document in the proposal package, or in total?

Answer #14: The 75 page limit applies to the Technical Proposal Template.

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Question #15: The contents of the Proposal Package listed in BAA Section VI(B)(a)(i) page 22 lists 5 documents. However, on other pages additional information is requested, specifically the IMS (p.14); and BOEs (p.15). Please clarify if the IMS and BOEs are to be included in the Proposal Package, and if so do they count against the 75 page limit.

Answer #15: IMS and BOEs are to be included in the Proposal Package, and they do not count against the 75 page limit.

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Question #16: Will Option 1 (Phase II) and Option 2 (Phase III) be included in the resulting contract as priced options?

Answer #16: Option I (Phase II) and Option II (Phase III) will be included in the resulting contract as priced options.

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Please read the BAA in its entirety prior to submitting questions. Except as modified herein, the information stated in ONRBAA15-0005 remains unchanged.